-12-

Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work : Detailed Estimated for Improvements & Asphalting to Kammagondanahalli Main road from SM Road to Srirama Temple, in Shettyhalli Sub Division, Ward No.12

Est.Cost Rs 45.00 Lakhs

Sl.No.	Description of Items	Unit	No.	L.	B.	D	Qty.	Rate	Amount
1	KSRBB 2300-1 Excavation by manual means for road		3	4	5	6	7	8	9
1	~~KSRB 2-1.2~~: Earthwork ~~in surface excavation~~ in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, specification No. KBS 2.1(a) / 2.3.1 Page No. 5/ Item No. 2.1/ PWD SR 2012-13 Rand. Item 19.10 / Pg 150.								
	Total length of road for Asphalt	~~9733x8/10~~ 1436 x 7.06 x 6%	1	~~753.00~~ 607		0.15	~~112.95~~ 91.05 ~~98.10~~	58.32	~~6587.00~~ 5310.00
							~~112.95~~	~~112.32~~	~~12687.00~~
	Basic Rate	~~104.00~~	54.00				91.05		
	Area Weightage 8%	~~8.32~~	4.32						
		~~112.32~~	58.32						
2	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per Specifications.MORTH Specification No. 406 Page No. 167/ Item No. 20.18/ PWD SR 2012-13								
			1	~~753.00~~ 607.00		0.20	121.40 ~~150.60~~ ~~150.60~~	1059.48	128621.00 ~~159558.00~~
	Basic Rate	981.00							
	Area Weightage 8%	78.48							
		1,059.48							
5	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 Page No. 172/ Item No. 21.2/ PWD SR 2012-13								
	Kammagondanahalli Main Road	Sqm	1	104.00	(7.0+7.2)/2		738.40		
			1	152.00	(7.0+6.9)/2		1056.40		
			1	630.00	(6.7+6.5)/2		4158.00		
			1	548.00	(6.5+6.7)/2		3616.80		
							9569.60	2.38	22737.00
	Basic Rate	2.20							
	Area Weightage 8%	0.18							
		2.38							

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6	KSRRB 500-10 : Tack Coat:- Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom complete as per specifications using bitumen emulsion. MORTH Specification No.503 (Page No.173, Item No. 21.10.1)								
	Kammagondanahalli Main Road	Sqm	1	104.00	(7.0+7.2)/2		738.40		
			1	152.00	(7.0+6.9)/2		1056.40		
			1	630.00	(6.7+6.5)/2		4158.00		
			1	548.00	(6.5+6.7)/2		3616.80		
							9569.60	10.80	103352.00
	Basic Rate	10.00							
	Area Weightage 8%	0.80							
		10.80							
7	KSRRB M500-19 : Providing and laying bituminous concrete with 100-120 TPH batch type HOT mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.500.9 complete in all respects as per specifications. 30-45mm compacted thickness (Grading II) with 6% Bitumen 80/100 grade using 40-60 HMP. MORTH Specification No.509 (Page No.176, Item No. 21.22.3) PWD SR 2012-13								
	Kammagondanahalli Main Road	Cum	1	104.00	(7.0+7.2)/2	0.04	29.54		
			1	152.00	(7.0+6.9)/2	0.04	42.26		
			1	630.00	(6.7+6.5)/2	0.04	166.32		
			1	548.00	(6.5+6.7)/2	0.04	144.67		
							382.78	10504.08	4020794.00
	Basic Rate	9726.00							
	Area Weightage 8%	778.08							
		10504.08							
8	KSRRB 400-1.3: Carriage of mixed materials 10 kms for items of Sl.No.19.1 to 19.6 and 19.8 to 19.16 (Page No.183)								
	Qty.vide item No. 7	Cum					382.78		
							382.78	56.70	21704.00
	Basic Rate	52.50							
	Area Weightage 8%	4.20							
		56.70							

ನಂ. 90/12-13 ದಿನಾಂಕ: 04/03/2013

ರೂ. 45.00 ಲಕ್ಷಗಳು (ರೂ. ನಲವತ್ತೈದು ಲಕ್ಷಗಳಿಗೆ ಮಾತ್ರ)

ಈ ಅಭಿವೃದ್ಧಿ ಪಡಿಸಿದೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ಮುಖ್ಯ ಅಭಿಯಂತರರು

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು ಬಿ.ಬಿ.ಎಂ.ಪಿ.

ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Chief Engineer

Rs 4500000.00

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9	KSRRB M800-13. Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and lying of hot applied Thermoplastic Compound 2.5mm thick including Reflectrising Glass Beads at 250 gms per Sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803. Page No. 194/ Item No. 24.15/ PWD SR 2012-13								
	Lane Line		2	1400.00	0.10		280.00		
	Center Line	0.50	1	1400.00	0.10		70.00		
							350.00	429.84	150444.00
	Basic Rate	398.00							
	Area Weightage 8%	31.84							
		429.84							
9 10	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.147 I.18.57/1)								
	Qty Vide Item No=1					91.05	~~112.95~~	~~94.82~~	~~8154.00~~
	Qty Limited to						86.00	~~100.35~~	~~8630.00~~
	Basic Rate	~~25.60~~ 20.48							
	Loading and Unloading Charges	67.32							
		~~92.92~~ 87.80.							
	Area Weightage @ 8%	~~7.43~~ 7.02							
	Total	~~100.35~~ 94.82/sm.							38884.00
									94.00
10	Miscellaneous and other unforseen charges							Total	4500000.00

(Rupees Fortyfive Lakhs Only)

CERTIFICATE

1 The work sport has been inspected and the work found to be necessary
2 This estimate is prepared as per the PWD S.R of 2012-13
3 The provisions made in estimate are adequate and essential
4 This area comes under BBMP limits

Asst. Engineer
Ward No.42

Asst.Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

Project Engineer (PE-4)
KRIDL, Dasarahalli Zone, Bangalore

No. JC(DH) AS 728/12-13 Dated : 28/02/13
45.00 Lakhs (Rupees Forty five lakhs only).

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